

Title (en)

METHOD AND APPARATUS FOR CONTROLLING MANEUVERS OF A VEHICLE, AND VEHICLE COMPRISING SUCH APPARATUS

Publication

EP 0375055 A3 19900912 (EN)

Application

EP 89203225 A 19891218

Priority

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Abstract (en)

[origin: EP0375055A2] Maneuvers of a vehicle, such as a car, are planned by propagating cost waves in a configuration space using a search strategy referred to as budding. The apparatus comprises means for storing an internal representation of a close environment of the vehicle, means for representing a pose of the vehicle in the given task space, which pose is measured in respect of a fixed point of the vehicle, and means for calculating a maneuver trajectory based on the internal representation. The close environment is a territory in which the maneuvering is performed: its size is within approximately the same order of magnitude as the size of the vehicle. The method of differential budding involves identifying a region in configuration space which is affected by a change of conditions in task space. Precisely selected states referred to as a perimeter and which define this region are then placed on a "sifting heap" from which they are budded.

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G05D 1/02; **G06F 15/70**

IPC 8 full level

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Citation (search report)

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